What is claimed is:

1. A method of formulating a pharmaceutical composition comprising:

comparing parameters of at least one pharmaceutical and a plurality of compounds, wherein the parameters comprise at least log(P) and molecular weight;

choosing at least one model compound from the plurality of compounds for each pharmaceutical;

providing at least one model compound-excipient formulation comprising at least one model compound and at least one excipient;

measuring the diffusion of a model compound of at least one model compound-excipient formulation across at least one membrane;

choosing a model compound-excipient formulation based on the measured model compound diffusion; and

combining components comprising the at least one pharmaceutical and the excipient package of the chosen model compound-excipient formulation.

2. A method according to claim 1, wherein the model compound-excipient formulation is saturated in model compound.

3. A method according to claim 1, wherein the parameters further comprise the number of freely rotatable bonds.

4. A method according to claim 1, wherein the parameters further comprise the number of H-bond donors and acceptors.

5. A method according to claim 1, wherein the diffusion is measured utilizing a Franz cell.

6. A method according to claim 1, wherein at least one model compound comprises a dye.

7. A method according to claim 6, wherein measuring the diffusion of the model compound comprises fluorescence spectroscopy.

8. A method according to claim 6, wherein the diffusion of the model compound is simultaneously measured in a plurality of diffusion cells.

9. A method according to claim 8, wherein measuring the diffusion of the model compound comprises recording an image.

10. A method according to claim 1, wherein at least one model compound-excipient formulation comprises a plurality of different excipients.

11. A method according to claim 1, wherein diffusion is measured utilizing a chemical reaction.

12. A method according to claim 1, wherein at least one membrane comprises a synthetic polymer membrane.

13. A method according to claim 1, wherein at least one membrane comprises skin.

14. A method according to claim 1, wherein at least one membrane is selected from the group consisting of hairless mouse skin, snake skin, pig skin, and cadaver skin.

15. A method according to claim 1, wherein the parameters consist of log(P) and molecular weight.

16. A method according to claim 1, wherein at least one parameter of at least one model compound is calculated.

17. A method according to claim 1, wherein at least one parameter of at least one model compound is experimentally determined.

18. A method according to claim 1, wherein at least one parameter of the pharmaceutical is calculated.

19. A method according to claim 1, wherein at least one parameter of the pharmaceutical is experimentally determined.

20. A method according to claim 1, further comprising:
contacting the pharmaceutical composition with the skin of a live mammal; and
observing the result.

21. A method according to claim 1, further comprising incorporating the pharmaceutical composition into a transdermal delivery system.

22. A method according to claim 21, further comprising contacting the pharmaceutical composition with the skin of a live mammal and observing the result.

23. A method according to claim 21, wherein the transdermal delivery device comprises an adhesive patch.

24. A method according to claim 1, wherein prior to measuring diffusion of each model compound-excipient formulation, it is incorporated into an adhesive patch.

25. A method according to claim 1, wherein the model compound-excipient formulation comprises a plurality of model compounds.